

Review articles published in LDRT by TPR members

Drying general:

Lee, D.-J., Jangam, S., Mujumdar, A.S. Some recent advances in drying technologies to produce particulate solids (2012) *KONA Powder and Particle Journal*, 30, pp. 69-83.

Lee, D.-J., Su, A., Mujumdar, A.S. Bound Water Content in Wet Materials (2013) *Drying Technology*, 31 (2), pp. 202-206.

Nahimana, H., Zhang, M., Mujumdar, A.S., Ding, Z. Mass transfer modeling and shrinkage consideration during osmotic dehydration of fruits and vegetables (2011) *Food Reviews International*, 27 (4), pp. 331-356.

Woo, M.W., Mujumdar, A.S. Effects of electric and magnetic field on freezing and possible relevance in freeze drying (2010) *Drying Technology*, 28 (4), pp. 433-443.

Xu, P., Mujumdar, A.S., Yu, B. Drying-induced cracks in thin film fabricated from colloidal dispersions (2009) *Drying Technology*, 27 (5), pp. 636-652.

Gong, Z.-X., Mujumdar, A.S. Software for design and analysis of drying systems (2008) *Drying Technology*, 26 (7), pp. 884-894.

Xu, P., Mujumdar, A.S., Yu, B. Fractal theory on drying: A review (2008) *Drying Technology*, 26 (6), pp. 640-650.

Wang, W., Chen, G., Mujumdar, A.S. Physical interpretation of solids drying: An overview on mathematical modeling research (2007) *Drying Technology*, 25 (4), pp. 659-668.

Mujumdar, A.S. An overview of innovation in industrial drying: Current status and R&D needs (2007) *Transport in Porous Media*, 66 (1-2), pp. 3-18.

Lee, D.J., Lai, J.Y., Mujumdar, A.S. Moisture distribution and dewatering efficiency for wet materials (2006) *Drying Technology*, 24 (10), pp. 1201-1208.

Wang, B., Zhang, W., Zhang, W., Mujumdar, A.S., Huang, L. Progress in drying technology for nanomaterials (2005) *Drying Technology*, 23 (1-2 SPEC. ISS.), pp. 7-32.

Basu, S., Shivhare, U.S., Mujumdar, A.S. Models for sorption isotherms for foods: A review (2006) *Drying Technology*, 24 (8), pp. 917-930.

Mujumdar, A., Zhonghua, W. Thermal drying technologies - Cost-effective innovation aided by mathematical modeling approach (2008) *Drying Technology*, 26 (1), pp. 146-154.

Jamaledine, T.J., Ray, M.B. Application of computational fluid dynamics for simulation of drying processes: A review (2010) *Drying Technology*, 28 (2), pp. 120-154.

Fluidization:

Aghbashlo, M., Sotudeh-Gharebagh, R., Zarghami, R., Mujumdar, A.S., Mostoufi, N. Measurement Techniques to Monitor and Control Fluidization Quality in Fluidized Bed Dryers: A Review (2014) *Drying Technology*, 32 (9), pp. 1005-1051.

Drying of food and agricultural products:

Barrozo, M.A.S., Mujumdar, A., Freire, J.T. Air-Drying of Seeds: A Review (2014) *Drying Technology*, 32 (10), pp. 1127-1141.

Fernandes, F.A.N., Rodrigues, S., Law, C.L., Mujumdar, A.S. Drying of Exotic Tropical Fruits: A Comprehensive Review (2011) *Food and Bioprocess Technology*, 4 (2), pp. 163-185.

Jangam, S.V. An overview of recent developments and some R&D challenges related to drying of foods (2011) *Drying Technology*, 29 (12), pp. 1343-1357.

Chung, L.L., Waje, S.S., Thorat, B.N., Mujumdar, A.S. Advances and recent developments in thermal drying for bio-origin and agricultural products (2008) *Stewart Postharvest Review*, 4 (1), art. no. 1

Zhang, M., Tang, J., Mujumdar, A.S., Wang, S. Trends in microwave-related drying of fruits and vegetables (2006) *Trends in Food Science and Technology*, 17 (10), pp. 524-534.

Special topics:

Tunçal, T., Jangam, S.V., Günes, E. Abatement of organic pollutant concentrations in residual treatment sludges: A review of selected treatment technologies including drying (2011) *Drying Technology*, 29 (14), pp. 1601-1610.

Jangam, S.V., Karthikeyan, M., Mujumdar, A.S. A critical assessment of industrial coal drying technologies: Role of energy, emissions, risk and sustainability (2011) *Drying Technology*, 29 (4), pp. 395-407.

Osman, H., Jangam, S.V., Lease, J.D., Mujumdar, A.S. Drying of low-rank coal (LRC)-A Review of recent patents and innovations (2011) *Drying Technology*, 29 (15), pp. 1763-1783.

Karthikeyan, M., Zhonghua, W., Mujumdar, A.S. Low-rank coal drying technologies - Current status and new developments (2009) *Drying Technology*, 27 (3), pp. 403-415.

Gong, Z.-X., Mujumdar, A.S. Review of R&D in drying of refractories (2007) *Drying Technology*, 25 (12), pp. 1917-1925.